

Converting Colors

$Y_{xy}(29.9249, 0.3254, 0.3168)$

Have a look what the booklet for
Yxy(29.9249, 0.3254, 0.3168)
contains.

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Color

Yxy(30.0000, 0.3249, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	A39098
RGB	163, 144, 152
RGB Percent	64%, 56%, 60%
CMY	0.3609, 0.4352, 0.4040
CMYK	0.00, 0.12, 0.07, 0.36
HSL	335°, 9%, 60%
HSV	335°, 12%, 64%
XYZ	30.7379, 30.0000, 33.8694
YIQ	150.5930, 8.7560, 6.5160

Conversions

Conversions Part 2

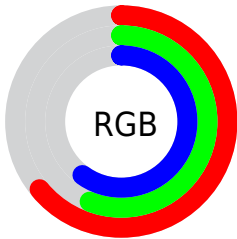
Format	Color
R _Y B	163, 144, 152
Decimal	10719384
CIE Lab	61.65, 8.48, -1.63
CIE LCh	62, 8.639, 349.152
Yxy	30.0000, 0.3249, 0.3171
Android (android.graphics.Color)	4288909464 (0xFFA39098)
YUV	150.5930, 0.6937, 10.8809
Hunter-Lab	54.7723, 4.3219, 1.6775

Details

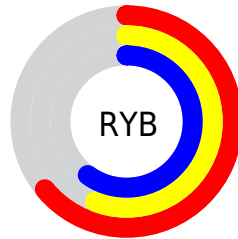
The Yxy color $30.0000, 0.3249, 0.3171$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $34.4781, 0.3020, 0.3412$, and the grayscale version is $30.7574, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.7498, 0.3226, 0.3199$, and $12.3245, 0.3289, 0.3141$ is the 20% darker color. If you saturate the color by 10%, you get $25.1180, 0.3378, 0.3063$, and if you desaturate by 10%, it is $35.6219, 0.3143, 0.3274$.

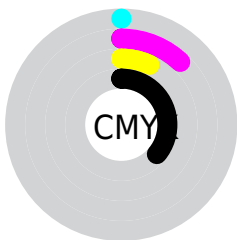
Distribution



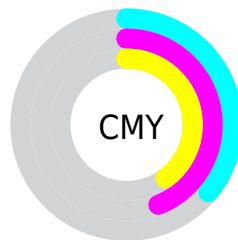
- Red (64%)
- Green (56%)
- Blue (60%)



- Red (64%)
- Yellow (56%)
- Blue (60%)



- Cyan (0%)
- Magenta (12%)
- Yellow (7%)
- Black (36%)





- Cyan (36%)
- Magenta (44%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0000, 0.3249, 0.3171 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 30.0000, 0.3249, 0.3171 by changing the saturation by 10% instead.

 30.0000, 0.3249,
0.3171


 30.0000, 0.3249,
0.3171


301.9045, 0.3184,
0.3235

 19.8386, 0.3267,
0.3154


 59.6622, 0.3224,
0.3195

 12.2778, 0.3291,
0.3131


 79.9317, 0.3215,
0.3204

 6.9331, 0.3325,
0.3098


104.3395, 0.3208,
0.3211

 3.4203, 0.3376,
0.3049

133.2698, 0.3202,
0.3217

 1.3549, 0.3464,
0.2965

167.1070, 0.3196,
0.3222

 0.1831, 0.4345,
0.2087

206.2356, 0.3192,

 0.0000, 0.0000,

0.3227

0.0000

251.0400, 0.3187,
0.3231

■ 30.0000, 0.3249,
0.3171

■ 30.0000, 0.3249,
0.3171

■ 25.1180, 0.3378,
0.3063

■ 35.6219, 0.3143,
0.3274

■ 20.9409, 0.3533,
0.2951

■ 42.0088, 0.3055,
0.3370

■ 17.4370, 0.3718,
0.2841

■ 49.1897, 0.2983,
0.3459

■ 14.5704, 0.3935,
0.2739

■ 57.1905, 0.2923,
0.3541

■ 12.3018, 0.4183,
0.2654

■ 66.0364, 0.2874,
0.3615

■ 10.5876, 0.4458,
0.2599

■ 75.7512, 0.2833,
0.3684

■ 9.3783, 0.4749,
0.2584

■ 84.3689, 0.2796,
0.3713

■ 8.6152, 0.5037,
0.2619

■ 84.8778, 0.2749,
0.3601

■ 8.2063, 0.5271,
0.2678

■ 85.4153, 0.2703,
0.3491

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.0000, 0.3109, 0.3087



30.0000, 0.3249, 0.3171



30.0000, 0.3358, 0.3286

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.0000, 0.3249, 0.3171



30.0000, 0.3276, 0.3536



30.0000, 0.2859, 0.3165

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.0000, 0.3249, 0.3171



34.4781, 0.3020, 0.3412

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.0000, 0.2901, 0.3287



30.0000, 0.3249, 0.3171



30.0000, 0.3141, 0.3506

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.0000, 0.3249, 0.3171



30.0000, 0.3373, 0.3498



30.0000, 0.3004, 0.3413



30.0000, 0.2886, 0.3081

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.0000, 0.3249, 0.3171



30.0000, 0.3397, 0.3367



30.0000, 0.3004, 0.3413



30.0000, 0.2865, 0.3203

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.0013, 0.3249, 0.3171



62.3043, 0.3157, 0.3260



29.5395, 0.3056, 0.3004



13.8080, 0.3164, 0.3252



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.0013, 0.3249, 0.3171



51.3254, 0.3281, 0.3143



30.1338, 0.3328, 0.3310



7.1331, 0.3222, 0.3196



6.3899, 0.5249, 0.2665



0.1436, 0.4364, 0.2178

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.0013, 0.3249, 0.3171



51.3254, 0.3281, 0.3143



34.3086, 0.2953, 0.3270



7.1331, 0.3222, 0.3196



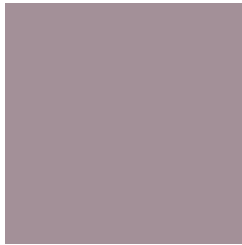
6.3899, 0.5249, 0.2665



0.1436, 0.4364, 0.2178

Previews

White Background



This preview shows how the Yxy color 30.0000, 0.3249, 0.3171 looks on a white background.

Color Contrast Check

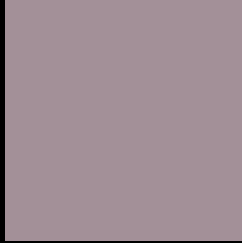
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 30.0000, 0.3249, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0000, 0.3249, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 30.0000, 0.3249, 0.3171.



This preview shows how white text looks on a background with the Yxy color 30.0000, 0.3249, 0.3171.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.0000, 0.3249, 0.3171

Protanopia

29.9969, 0.3091, 0.3197

Deuteranopia

29.8949, 0.3239, 0.3170



Tritanopia

30.0996, 0.3219, 0.3126

Trichromacy



Original Color

30.0000, 0.3249, 0.3171

Protanomaly

30.1359, 0.3152, 0.3198

Deuteranomaly

29.8949, 0.3239, 0.3170

Tritanomaly

30.0661, 0.3229, 0.3141

Monochromacy



Original Color

30.0000, 0.3249, 0.3171

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.3827, 0.3171, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0000, 0.3249, 0.3171 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(163, 144, 152)` looks like.

```
.text, #text, p{  
    color:rgb(163, 144, 152)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(163, 144, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 144, 152) }
```

Border

The CSS property to change the border of an element to Yxy 30.0000, 0.3249, 0.3171 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 144, 152) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(163, 144, 152) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(163, 144, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 144, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 144, 152);  
box-shadow:4px 4px 4px 4px rgb(163, 144,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0000, 0.3249, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 144, 152) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(163,  
144, 152) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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